

Appendix

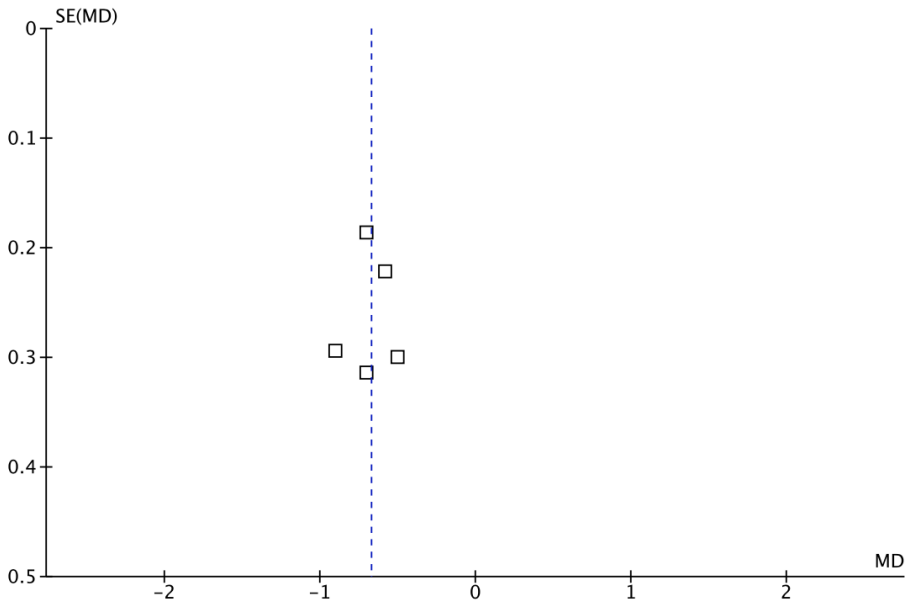


Fig. E-1
Funnel plot. SE = standard error.

TABLE E-1 Search Strategy

MEDLINE	Embase	CENTRAL Database	PubMed
1. tranexamic acid.mp or tranexamic acid/ 2. arthroplasty.mp or arthroplasty, replacement/ 3. shoulder.mp or shoulder/or shoulder joint/ 4. antifibrinolytic agents/or antifibrinolytic.mp 5. 1 or 4 6. 2 and 3 7. 5 and 6	1. tranexamic acid.mp or tranexamic acid/ 2. shoulder arthroplasty.mp or shoulder arthroplasty/ 3. arthroplasty.mp or arthroplasty/ 4. shoulder.mp or shoulder/ 5. antifibrinolytic agent/or antifibrinolytic.mp 6. 1 and 5 7. 3 and 4 8. 2 or 7 9. 6 and 8	1. Tranexamic Acid 2. Shoulder Arthroplasty 3. 1 and 2	1. arthroplasty 2. tranexamic acid OR antifibrinolytic 3. 1 and 2

TABLE E-2 Summary of Findings for Tranexamic Acid in Shoulder Arthroplasty*

Outcomes	Anticipated Absolute Effects† (95% CI)		Relative Effect (95% CI)	No. of Participants (Studies)	Quality of the Evidence‡
	Risk with No Antifibrinolytic	Risk with Tranexamic Acid			
Transfusion rate	48 per 1,000	22 per 1,000 (9 to 52)	RR, 0.45 (0.18 to 1.09)	632 (5 studies: 3 RCT, 2 cohort)	⊕⊕⊕○ Moderate
Mean change in Hgb		The mean change in Hgb in the intervention group was 0.64 g/dL (0.44 to 0.84 g/dL) lower	—	632 (5 studies: 3 RCT, 2 cohort)	⊕⊕⊕○ Moderate
Drain output		The mean drain output in the intervention group was 116.8 mL (94.4 to 139.2 mL) lower	—	438 (4 studies: 3 RCT, 1 cohort)	⊕⊕⊕○ Moderate

*Hgb = hemoglobin. †The risk in the intervention group (and its 95% CI) is based on the assumed risk in the comparison group and the relative effect of the intervention (and its 95% CI). ‡GRADE Working Group grades of evidence are as follows. High quality: We are very confident that the true effect lies close to that of the estimate of the effect. Moderate quality: We are moderately confident in the effect estimate; the true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different. Low quality: Our confidence in the effect estimate is limited; the true effect may be substantially different from the estimate of the effect. Very low quality: We have very little confidence in the effect estimate; the true effect is likely to be substantially different from the estimate of effect.

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TRANEXAMIC ACID IN SHOULDER ARTHROPLASTY. A SYSTEMATIC REVIEW AND META-ANALYSIS

<http://dx.doi.org/10.2106/JBJS.RVW.17.00021>

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